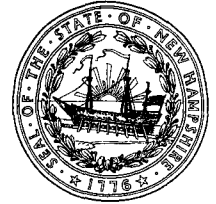




The State of New Hampshire
Department of Environmental Services



Michael P. Nolin
Commissioner

September 22, 2006

LETTER OF DEFICIENCY #WSEB 06-141
Certified Mail #7000 1670 0001 2915 6007

Steven Neill
Town of Charlestown
26 Railroad St
PO Box 385
Charlestown, NH 03603

Subject: Charlestown - Public Water System: North Charlestown Water Dept. (EPA #0411020)

Dear Mr. Neill:

The records of the NH Department of Environmental Services ("DES") show that the North Charlestown Water Dept is classified as a public water system ("PWS"), as defined by RSA 485:1-a. A PWS is defined as any water system supplying 15 or more services, or 25 or more people for 60 or more days per year. As such, the water system owner is required to submit samples according to the system's established Master Sampling Schedule to the State laboratory or a State-certified laboratory in compliance with NH Administrative Rules Env-Ws 320 through 330.

The enforceable maximum contaminant level ("MCL") for Arsenic is 0.010 mg/L. For systems on quarterly monitoring, compliance with the MCL is determined by the running annual average ("RAA"). The RAA is defined as the average of sample results collected over the last 12 month period. DES has determined the most recent RAA for Source 502: Pumphouse/GRW 2/002 to be 0.012 mg/L. As such, the North Charlestown Water Dept has exceeded the Arsenic MCL and a violation of Env-Ws 326.10 has occurred.

Please note that your water system received a Notice of Violation (NOV), dated August 28, 2006, for a third quarter 2006 MCL violation for Arsenic, which required public notice to be performed by September 28, and to provide our office with a copy no later than 10 days after performing notice. If you have not done so already, please perform public notice and submit proof of public notice to DES in accordance with the instructions on the public notice template previously sent to you.

DES believes the MCL violation(s) can be corrected and future violations prevented by taking the following actions:

1. **By October 23, 2006**, notify DES, in writing, of the name of the consultant or the PWS representative responsible for addressing the water quality violation(s). The PWS

consultant or representative should review all existing water quality data and all feasible options prior to making recommendations to the owner for correcting the MCL violation(s). Options should include simple oxidation / filtration, blending, alternative well sources, as well as different treatment options; and

2. **By December 22, 2006**, submit to DES the consultant's report, which shall contain the consultant's evaluation of feasible options, cost estimates, identification and justification of which option the owner has selected to implement, along with a timeline and final correction date to resolve the MCL violation(s). The recommended contents of the consultant's report are enclosed. DES will approve the report and specify the next submission deadline. A consultant's report determined to lack comprehensiveness will not be approved; and
3. **By the submission date established by DES** in the above-mentioned approval letter, submit to DES all engineering/technical documents for the design of the selected option. DES must review and approve, in writing, any engineering/technical documents prior to the commencement of any work on the system. Note that engineering plans for systems serving more than 50 service connections or 20,000 gpd must be stamped by a professional engineer; and
4. **By the DES-approved correction date**, take the corrective action as approved by DES. Notify DES in writing upon completion of the action(s) taken; and
5. Continue to sample in accordance with your Master Sampling Schedule, which includes quarterly sampling for Arsenic.

In the event compliance is not achieved within this period, DES may initiate formal action against you, including issuing an order requiring the deficiencies to be corrected, initiating an administrative fine proceeding, and/or referring the matter to the NH Department of Justice for imposition of appropriate penalties.

**All information as requested above should be addressed as follows
or faxed to (603) 271-5171:**


Leah McKenna
Department of Environmental Services
Water Supply Engineering Bureau
29 Hazen Drive, PO Box 95
Concord, NH 03302-0095

Further review of your system's water quality indicates that your system has also had a history of Manganese detections above the secondary maximum contaminant level (SMCL) established for this element. This is an aesthetically based standard; as such compliance with the SMCL is required should consumer complaints arise.

For your information, fact sheets on Arsenic and Manganese are available at:
<http://www.des.state.nh.us/ws.htm>. These include general information, health effects and removal options. Also enclosed is a summary of the expected content of consultant report submittals for your review. Please be reminded that proposed treatment alternatives should take into consideration all water quality parameters as well as current and future quantity needs.

In addition to your operator, assistance may be available to you through a variety of sources. DES staff member Cindy Klevens, P.E. may be able to answer questions concerning treatment for the aforementioned contaminant(s). She may be reached at (603) 271-3108 or via email at cklevens@des.state.nh.us. Also, financial, managerial and technical assistance is available through either of two government funded technical assistance providers. These are Granite State Rural Water Association ((603) 753-4055) and RCAP Solutions, Inc. (1-800-488-1969). Health related questions may be directed to Dave Gordon of the DES Bureau of Environmental and Occupational Health whose number is (603) 271-4608. If you have any questions regarding this letter, please contact Leah McKenna, at (603) 271-0655 or by email at lmckenna@des.state.nh.us.

Sincerely,


Sarah Pillsbury, P.G., Administrator
Water Supply Engineering Bureau

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Encl Report submittal information sheets
 Master Sampling Schedule

cc w/ encl(s): David Duquette, Primary Operator

cc: Gretchen R. Hamel, DES Legal Unit Administrator
 Robert Rivard, Town of Charlestown Health Officer
 EPA, Region 1
 File

ec: Cindy Klevens, P.E., DES
 Rick Skarinka, P.E., DES
 Dave Gordon, DES BEOH
 Jack Shields, GSRWA
 Robert Morancy, RCAP Solutions, Inc.